

ROUTING			
TO:	NAME AND ADDRESS	DATE	INITIALS
1	ARCHIVES		
2			
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	ACTION	DIRECT REPLY	PREPARE REPLY
	APPROVAL	DISPATCH	RECOMMENDATION
	COMMENT	FILE	RETURN
	CONCURRENCE	INFORMATION	SIGNATURE
REMARKS:			
FROM: NAME, ADDRESS, AND PHONE NO.			
DATE			
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(See inside cover)

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Warning Notice
 Intelligence Sources and Methods Involved
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DISSEMINATION CONTROL ABBREVIATIONS

NOFORN-	Not Releasable to Foreign Nationals
NOCONTRACT-	Not Releasable to Contractors or Contractor/Consultants
PROPIN-	Caution-Proprietary Information Involved
ORCON-	Dissemination and Extraction of Information Controlled by Originator
REL . . .	This Information has been Authorized for Release to . . .

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Attachment to

Z-18029/84

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NPIC/IEG (03/84)

14 MARCH 1984

**NEW UNIDENTIFIED MOBILE ANTENNA
JURONG RADAR TEST FACILITY, CHINA (SWN)**

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1. **SIGNIFICANCE:** AN UNIDENTIFIED MOBILE ANTENNA WAS SEEN FOR THE FIRST TIME AT JURONG RADAR TEST FACILITY. THE CHARACTERISTICS OF THE ANTENNA AND ITS TRAILER BASE SUGGEST TWO POSSIBLE FUNCTIONS FOR THIS PIECE OF EQUIPMENT; MOBILE TROPOSCATTER COMMUNICATIONS OR MISSILE TRACKING/TELEMETRY. (SWN)

2. **REMARKS:** THE MOBILE ANTENNA WAS ON A PAD JUST EAST OF THE TEST FACILITY. FOUR ASSOCIATED VANS/TRAILERS AND ONE GENERATOR TRAILER WERE NEARBY. THE ANTENNA CONSISTS OF A 6-METER DIAMETER MESH-TYPE PARABOLIC DISH WITH A HORN-TYPE FEED. THE DISH IS AFFIXED TO A PROBABLE HYDRAULIC, [REDACTED] LATTICE TOWER WHICH IS MOUNTED ON A DUAL-AXLE TRAILER. THE DISH MAY BE ATTACHED TO THE LATTICE TOWER BY MEANS OF AN AZIMUTH AND ELEVATION MOUNT. THIS TYPE OF MOUNT WOULD GIVE THE ANTENNA THE CAPABILITY OF MOVING BOTH HORIZONTALLY AND VERTICALLY; THEREFORE, IT WOULD BE SUITABLE FOR MISSILE TRACKING/TELEMETRY FUNCTIONS. THE TRAILER BASE [REDACTED] AND IS STABILIZED BY FOUR OUT-RIGGERS. IT IS VERY SIMILAR IN APPEARANCE TO OTHER DUAL-AXLE TRAILER BASES SEEN WITH CHINESE EARLY WARNING RADAR SYSTEMS. (SWN)

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THE ANTENNA IS SIMILAR TO THE 6-METER PARABOLIC DISH USED IN THE OH-2000 OVER-THE-HORIZON (TROPOSCATTER) COMMUNICATIONS SYSTEM MANUFACTURED BY THE NIPPON ELECTRIC COMPANY LIMITED OF JAPAN. THE OH-2000 MOBILE STATION OPERATES IN THE 1.5 TO 2.3 GHZ AND 5 GHZ RANGE. (SWN)

JURONG RADAR TEST FACILITY, 2.7 NM EAST OF JURONG AND 22 NM ESE OF NANJING, IS INVOLVED IN THE RESEARCH AND DEVELOPMENT OF TACTICAL AIR WARNING AND SPACE TRACKING RADARS. (SWN)

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3. [REDACTED] COORDINATES 31-57-18N 119-13-15E (S)

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